

IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A multi-eye imaging apparatus comprising a plurality of imaging systems each including an optical system and an imaging element and having a different optical axis,

wherein the plurality of imaging systems include:

a first imaging system having a pixel shift means for changing a relative positional relationship between an image formed on the imaging element, and the imaging element; and

a second imaging system in which a relative positional relationship between an image formed on the imaging element, and the imaging element, is fixed during time-series image capture,

the multi-eye imaging apparatus further comprising:

an image memory for accumulating a plurality of frames of image information captured in time series;

a shake amount obtaining means for comparing the plurality of frames of image information captured in time series by the second imaging system and accumulated in the image memory to obtain a shake amount;

an image combining means for combining the plurality of frames of images accumulated in the image memory after their pixels are shifted relative to each other so that resolution of the combined image is higher than that of the plurality of frames of images; and

a parallax amount obtaining means for obtaining a magnitude of a parallax from images captured by the plurality of imaging systems having the different optical axes,

wherein a change amount of the positional relationship by the pixel shift means is fixed,

the shake amount obtaining means obtains the shake amount after image capture, that is performed by changing the positional relationship in time series using the first imaging system, is finished, and

the multi-eye imaging apparatus further comprises an optimal image selecting means for selecting image information which is used in the combination of the image combining means, from image information captured by the first imaging system and image information captured by the second imaging system that are accumulated in the image memory, based on the shake amount obtained by the shake amount obtaining means and the parallax amount obtained by the parallax amount obtaining means.

2-4. (Cancelled)

5. (Previously Presented) The multi-eye imaging apparatus according to claim 1, wherein the image combining means corrects and combines the images based on the parallax amount obtained by the parallax amount obtaining means and the shake amount obtained by the shake amount obtaining means.

6. (Cancelled)

7. (Previously Presented) The multi-eye imaging apparatus according to claim 1, further comprising:

means for discriminating different subjects,

wherein the shake amount obtaining means obtains a shake amount for each of the different subjects, and

the image combining means combines images for each of the different subjects.

8. (Previously Presented) The multi-eye imaging apparatus according to claim 1, further comprising:

means for dividing image information into a plurality of blocks,

wherein the shake amount obtaining means obtains a shake amount for each of the plurality of blocks, and

the image combining means combines images for each of the plurality of blocks.

9. (Original) The multi-eye imaging apparatus according to claim 1, wherein the plurality of imaging systems having the different optical axes are composed of: an imaging system for handling a red color; an imaging system for handling a green color; and an imaging system for handling a blue color, wherein, for at least one corresponding to one color of the imaging systems corresponding to the respective colors, the number of the imaging systems corresponding to the one color is two or more, and the two or more imaging systems for handling the one color include the first imaging system and the second imaging system.

10. (Cancelled)